

ABSTRACT

Disclosed is a pair of variable-powered binoculars capable of keeping a high resolution without causing much change in the quality of the image, securing a wide view, and making small the difference between the eye relief of a low magnifying arrangement and that of a high magnifying arrangement when they are switched.

The binoculars comprise a pair of objective lens systems; a pair of prism systems, each of the prism system inverting an image that advances through the corresponding objective lens systems, from an inverted image to an erecting image; a pair of concave adjusting lenses, each of the concave adjusting lenses placed between the focus formed by the corresponding objective lens system and the corresponding prism system, so that each of the concave adjusting lenses is movable along the optical axis formed by the corresponding objective lens system and the corresponding prism system; and a pair of ocular lens systems, each of the ocular lens systems placed on the optical axis, so that each ocular lens system is movable along the optical axis closer to or away from the corresponding concave adjusting lens, synchronizing with a movement of the corresponding concave adjusting lens.